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ABSTRACT

Music Information Services System (MISS) was developed at the Eastern Illinois University Library to manage the sound recording collection. Operating in a batch mode, MISS keeps track of the inventory of sound recordings, generates necessary catalogs to facilitate the use of the sound recordings, and provides specialized bibliographies of sound recordings. The programs were written in PL/1. This paper describes the system background, operating environment, file and record layouts, and computer programs developed to support MISS. The MISS subject heading list forms an 11-page appendix. (Author/DGC)

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ED108706

MUSIC INFORMATION SERVICES SYSTEM (MISS)

by

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ABSTRACT

Music Information Services System (MISS) was developed at the Eastern Illinois University Library to manage the sound recording collection. Operating in a batch mode, MISS keeps track of the inventory of sound recordings, generates necessary catalogs to facilitate the use of the sound recordings, and provides specialized bibliographies of sound recordings. This paper describes the system background, operating environment, file and record layouts, and computer programs developed to support MISS.

Music Information Services System (MISS)

Music Information Services System (MISS) is one of the Library Management Systems developed at Eastern Illinois University's library. MISS was developed primarily to control the bibliographic data of the sound recordings owned by the university library and the School of Music. It was designed to serve a music scholar, as well as a novice to the field of music.

MISS is a batch processing system designed to perform the following functions: (a) provide multiple copies of sound recording catalogs arranged in composer, performer, subject and title sequences; (b) provide "custom-made" bibliographies of sound recordings according to specified criteria to satisfy the instructional and research needs of the Music faculty.

Background

The decision to develop MISS was reached in the fall of 1972 when hitherto divided collections of the sound records at the university library and most of the collection from the School of Music were combined and placed in the newly created Media Library. At that time, the School of Music and the university library maintained separate card catalogs for their respective collections. When constructing the card catalog, the School of Music used its own set of rules rather than follow the traditional library rules. Consequently, the School of Music catalog was not compatible with the library card catalog. Further, it was felt that maintaining the two card catalogs would be prohibitively expensive. On the basis of these factors, we reached a decision to convert the data from both catalogs into a machine-readable format, coining a standard set of

rules that would satisfy both the librarians and the Music faculty. The chief advantages to be gained would be that all file maintenance could be performed by the computer and multiple copies of various catalogs could be generated for use at different locations.

System Design

MISS was designed to operate within the limits of existing computing systems on the campus. No new hardware was acquired to support MISS. All supporting software was developed internally. Figure 1 graphically shows the computing resources used by MISS. MISS was designed in a modular fashion so that additional data fields can be added to existing records as needed and MISS programs can be easily expanded to process these additional fields. Another consideration that went into system design was portability. MISS can be implemented at any institution having access to an IBM S/360 operating system and a PL(F) compiler, so that other interested libraries can benefit from this system. Further, the data sets and programs can be modified easily to operate from various types of IBM computing systems.

File Support

Several computer files were created to support MISS. The structures and the contents of the files are discussed below.

Music Master File: This file is the heart of the system. As of this writing, this file has about twelve thousand records in it. Each record in this file is eighty-six characters long and represents an entry for a musical composition. The first eighty characters of each record are coded according to the coding instructions below. The last six characters contain a unique number generated by the system to make each record separate

MISS Operating Environment

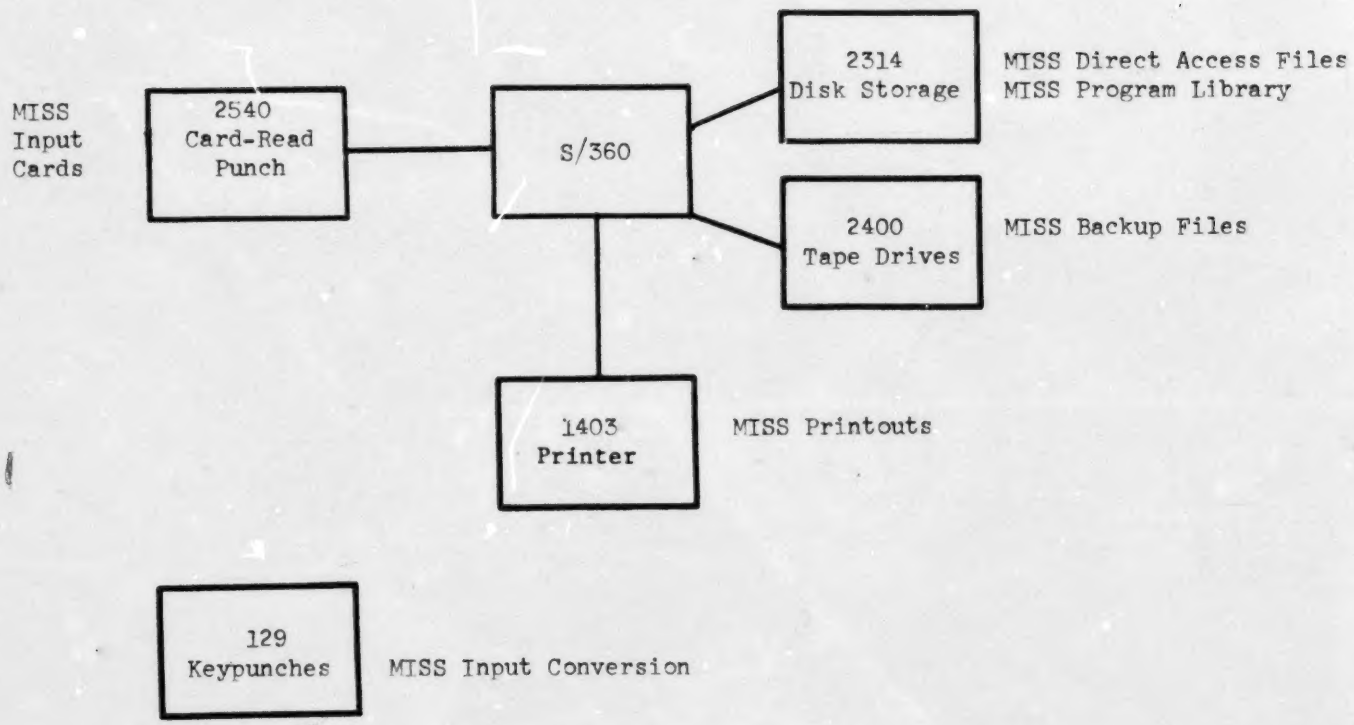

Figure 1

from others. This file is organized as an indexed sequential access file on an IBM 2314 disk pack and is available to the system in a random access mode, as well as in a sequential access mode.

CODING INSTRUCTIONS FOR MUSIC MASTER FILE

card columns

Call # 1-12

This is the number in the upper left hand corner of either the card or record. This number is usually a Cutter number plus a number to indicate how many times this number has been used to signify how many records there are under that certain Cutter number.

Example: B122 (Cutter no.), 1 (First record in collection by Bach)
Code: B122#1

Medium code 13-14

00	33 rpm stereo	20	tape 7 1/2 ips stereo
01	45 rpm stereo	21	tape 3 3/4 ips stereo
02	78 rpm stereo	22	tape 1 7/8 ips stereo
03	16 rpm stereo	23	tape 7 1/2 ips mono
04	33 rpm mono	24	tape 3 3/4 ips mono
05	45 rpm mono	25	tape 1 7/8 ips mono
06	78 rpm mono	26	tape 7 1/2 ips quad
07	16 rpm mono	27	tape 3 3/4 ips quad
08	33 rpm quad		
09	33 rpm universal (mono and stereo)		

Main entry indicator 15

This number indicates the proper entry word used by Library of Congress.
1 composer or author
2 performer
3 title

Composer code 16-23

Always consult the Composer-Performer Code first to find the number indicating the particular composer needed. If there is no number for the person or persons used in a certain work, consult the Cutter table to arrive at a number for that certain person's last name. If you do add codes to the Composer-Performer Code, always add the new name and number in the print-out and on the coding sheets.

Performer code 24-31

Again consult the Composer-Performer Code for the number of the person needed. If an addition needs to be made, follow the instructions set

forth under Composer Code. If the performer is more than one person, a code will need to be made for the duet, trio, or whatever. Cross-references will need to be taken care of also. Note: Cross-references are explained in an explanation concerning the Composer-Performer coding instructions.

Title 32-63

The following rules were devised in order to maintain uniformity. Hopefully this will prevent one title on more than one album from being alphabetized in more than one place.

1. In most cases use the uniform title. The uniform title is the title in brackets on a catalog card. Rules 2 & 3 are the exceptions to this.
2. When the uniform title is something like "Collections," "Works," or "Songs. Selections," then list each work or song separately unless there are more than 4 titles per disc. If there are more than 4 titles on a 33rpm disc or 2 titles on a 78rpm disc, then use the title on the album cover.
3. Whenever there is more than one work on a disc, then code each work separately unless there are more than 4 titles on the disc. If there are more than 4 titles on the disc, then use a collective title, probably the uniform title. (For a 78rpm record 2 titles per disc should be the maximum number to be coded.)
4. Do not use "A," "An," or "The" when they are the first word of a title.
5. Spell out the word for digits if at the beginning of the title--if the digit is within the title, do not spell out the word.
6. Sometimes the uniform title is a word describing a type of music by the composer such as "Waltzes," "Concertos," or "Sonatas." Only use such a uniform title if it means all the waltzes, concertos, or sonatas which that composer wrote. List each one separately otherwise or use the album title if there are more than 4 works on a disc. (2 on a 78rpm)
7. Omit all punctuation in a title.
8. You may need to shorten words or leave off part of the title, but avoid shortening the first word of a title. For foreign titles which are too long for the space provided, code as much of the title as possible and leave off the words or letters which do not fit. Do not shorten foreign words.
9. Always use the following symbols:
   &--and
   #--number
10. Always use the following abbreviations for words in uniform titles:
    Flat--FL
    Sharp--SH
    Minor--MN
    Major-- (do not use anything and we will assume it to mean a major key)
    Number--#
    Opus--ØP

11. When coding, always put a slash / through the letter O to indicate the difference between it and zero. Also, cross through all Z's Ƶ to indicate the difference between it and the number 2.
12. For classical works the Library of Congress has the key at the end of the title preceded by the opus number. Cataloging which was done at Booth Library has the opus number at the end of the title preceded by the key. In order to preserve uniformity, we will follow the Library of Congress style with the key at the end of the title preceded by the opus number.

Example:

Booth Library cataloging card: ⌜Symphony, no. 1, C major, op. 21⌝
Should code this way SYMPHONY #1 ØP21 C

Other examples of the above rules:

Catalog card: ⌜Songs. Collections.⌝
Great songs of faith
Code: GREAT SONGS OF FAITH

Catalog card: ⌜Suites a violincello solo senza Basso, nr.4, E-flat major, & nr.5, C minor⌝
Suites for unaccompanied 'cello, no.4 in E-flat & no. 5 in C minor
Code: SUITE VIØLINCELLØ #4 E FL
SUITE VIØLINCELLØ #5 C MN

Catalog card: ⌜Passion. Matthaeus⌝
Code: PASSIØN MATTHAEUS

Catalog card: ⌜The American revolution⌝
Code: AMERICAN REVØLUTIØN

Catalog card: ⌜La damnation de Faust⌝
Code: DAMNATIØN DE FAUST

Catalog card: ⌜Trio, piano, violin & cello, no. 1, B flat major, op.99⌝
Code: TRIØ PIANØ VIØLIN CELLØ #1 ØP99 B FL

Number of pieces 64-65

For discs use this to mean number of discs only. Do not include written materials in the number of pieces. If more than one entry is made for a disc or set of discs, only count the discs in the first entry and put 00 in these columns in any subsequent entries.

Location 66

The code used here is usually 1, which stands for Media Library. Right now this is the only code used; but if the need arises for codes to indicate other locations, new numbers will need to be added.

Format 67

This code indicates the diameter of the record.

0 12" record
1 10" record
2 7" record

Subjects 68-73

This is the information coded to indicate exactly what type of music is on the record. It is divided into three sections of two columns each.

Use the following chart along with the subject lists (Appendix A) to determine which code numbers to use. Use this chart only for musical recordings.

	Col. 68-69	Col. 70-71	Col. 72-73	Col. 74-76
Large group or vocal works	Indicate type of group using list 1B (08-76)	Indicate language using list 2A (05-98)	Choose most appropriate subject from list 4	Whenever necessary, indicate the country or area, especially when pertaining to folk music.
Small instrumental groups (9 or less, including soloes)	Indicate size of group using list 1A (90-95)	Indicate kind of instrument using list 2B (03-97)	Same as above.	Same as above.

Geographical Code 74-76

These codes are used to indicate what country or what general area the record pertains to. When it seems necessary to give this information, always do so. Definitely use the geographical code when coding folk music.

Performing group 77-80

Consult the Performing Group Code to find the number indicating the particular performing group needed. If there is no number for the

group used in a certain work, a new one will need to be made. This will need to be made to fit in the appropriate place.

Composer-Performer File: It is an indexed sequential file arranged in sequence of Cutter numbers assigned to the composers and performer file. Each record in this file is 73 characters long. Each record contains three fields. The first field is the composer-performer name which is established according to the Library of Congress usage. The name field is 64 characters long. The second field, which is 1 character long, indicates whether there are any cross references for this particular composer or performer. If there are any cross references, the system will access appropriate records from the cross reference file and generate the necessary cross references during the list printing phases. The third field contains the Cutter number assigned to the composer or performer. The Cutter number field has a maximum length of 8 characters. The Cutter number serves two functions. First, it serves as a unique key for each record of the indexed sequential file. Second, sorting of eight character Cutter numbers is sufficient to place the composers in alpha sequence when sorting for the composer catalog. Data for this file is originally punched into cards and then transferred to disk. The layout for the card is given in Appendix B as "MISS Composer Name Card Layout". Only the first 73 characters of each card punched according to this layout are transferred to disk.

Cross Reference File: This file contains cross reference records for composers and performers. This is an indexed sequential file and is available to the system in a direct access mode. Each record in this file is 72 characters long, and each record consists of 9 fields. Each field is 8 characters long. The first field contains the Cutter number of the composer being referred from. The next eight fields contain the Cutter

numbers for the composers or performers referred to. The data for this file is punched on cards first, then transferred to disks. The card layout is shown in Appendix B as "MISS Composer Cross Reference Card Layout." Only the first 72 columns of each card for this file are transferred to disk.

CODING INSTRUCTIONS FOR COMPOSER-PERFORMER AND CROSS REFERENCE FILES

There are three alternatives in working with the Composer-Performer file.

A--Add — Use this when adding a new name to the file.

C--Change — Use this when changing anything in and between c.1-65. Do not use change when changing the Cutter number.

D--Delete — Use this when changing the Cutter number of a name. The name and old number will need to be deleted and the name and new number added. This will take up 2 lines on the coding sheets.

When adding new codes, always consult the Cutter table. This table is just a guide and sometimes will not completely coincide with the composer and performer codes already in the file. In such cases make the necessary adjustments in constructing a new code number so that it will fit into the proper alphabetic sequence.

When making a number for a duet, trio or whatever, you will always need to make cross references. If cross references are made with new composers or performers, enter the individual names and the duet, trio, etc. as usual on the coding sheets plus add an X in col. 65 of the individuals.

Example: Composer-Performer Additions — c.65

CARRØLL, JIMMY	XC2364	A	CN
GREER, FRANCES	XG8595	A	CN
GREER; CARRØLL	G8596	A	CN

Then enter the cross references on a separate sheet according to the layout.

Example: — c.79

C2364	G8596	CR
G8595	G8596	CR

If you make-up a new duet, trio, etc. and one or more of the parties of the group is already in the list but not listed together, a change by adding

an X in c.65 will need to be made in that or these certain composer or performers.

Example:	c.65		
CARUSØ, ENRICØ, 1873-1921	XC251	C	CN
SCØTTI, ANTØNIØ	XSCØ87	A	CN
CARUSØ; SCØTTI	C2511	A	CN

Then enter the cross references the same way described previously.

When adding another cross reference where a cross reference has already been made, pull the card, insert the number in the next correct column and send along with the Composer-Performer update.

Subject Headings File: This is a direct access file arranged according to a unique code number assigned to each subject heading used by MISS. Each record in this file is 55 characters long and contains three fields. The field is a 3 digit code number assigned to that subject heading. The second field, which is 47 characters long, is the subject heading itself. The third field, which is 8 characters long, contains a Cutter number that places this particular subject heading in proper alphabetical sequence. Though a three digit subject code is used in the subject file, only the last two digits need to be coded for the master file. To the two digit subject codes used in the master file, the system will add a third digit (on the basis of the relative position of the subject code within the subject code's field) before accessing a record from the subject file for that code number.

Data for this file is first punched into cards, then transferred to disk. Card layout is given in Appendix B as "MISS Subject Heading Card Layout." Only the code number, subject heading, and Cutter number are transferred from card to disk.

Geographical Areas File: This file contains the names of geographical areas used by MISS. Each geographical area is identified by a unique three digit code which is derived from the Dewey Decimal Classification system.

This is an indexed sequential file. Each record in this file is 50 characters long and consists of two fields. The first field is a 3 digit code number, and the second field contains the name of the geographical area that the code number represents. The data for this file is first punched on cards, then transferred to disk. The card layout is shown in Appendix B as "MISS Geographical Area Card Layout." Only the 50 characters of each card for this file are transferred to disk.

Programming Support

Eleven programs in PL/1 (F) level language were written to support MISS. In addition, MISS uses a number of file maintenance and listing programs that were developed for other library applications. More frequently used programs are kept as load modules in the university general program library and executed from there as needed. The other programs are kept in source statement format in a different program library from which they can be compiled and executed as needed. At present, MISS has the following programming support:

MUSIC 01: Generate Music Master Indexed Sequential File.

MUSIC 02: Edit Music Master File call numbers.

MUSIC 03: Prepare Music Master File for sort.

MUSIC 04: Print Composer Catalog.

MUSIC 05: Update Music Master File with changes.

MUSIC 06: Print Music Master File key number index.

MUSIC 07: Generate Music Subject Catalog.

MUSIC 08: Print Music Subject Catalog.

MUSIC 09: Print Music Title Catalog.

MUSIC 10: Select Music performer records.

MUSIC 11: Print Music Performer Catalog.

Source listings for these programs appear in Appendix C.

Costs

(A)	Development Costs:	
1.	System Design and Programming Costs (one man month)	$1235.00
2.	Machine Costs for Program Testing	640.00
3.	Data Conversion Costs (coding and keypunch)	720.00
	Total:	$2595.00
(B)	Operating Costs for a Month on the Average:	
1.	Machine Costs	$ 45.00
2.	Data Conversion Costs (coding and keypunch)	250.00
	Total:	$ 295.00

Operation

Once every month all MISS files are updated with the data for the latest sound recordings acquired by the library. After each updating process, the following print-outs are generated:

Composer-Performer Code List: It is an alphabetical listing of composers, performers, names and cross references used by MISS. As of June, 1975, this list contains about 4500 entries. This list is primarily for the internal use of the cataloging department. A sample page of this list appears in Appendix D.

Composer Catalog: It is arranged in composer name sequence. An entry in this catalog lists composer, title, medium, units (i.e. number of discs), performers, and performing group. Four copies of this catalog are generated each month to place at various locations on the campus. A sample page of this catalog appears in Appendix D.

Performer Catalog: It is arranged in performer name sequence. The contents and format of this catalog are identical to the composer catalog. A sample page of this catalog appears in Appendix D.

Title Catalog: It is arranged in title sequence. The contents and format of this catalog are identical to the composer catalog.

Subject Catalog: This catalog is arranged alphabetically by subject heading first and, within subject heading, by composer and title. An entry in this catalog consists of call number, composer, title and medium. The last entry for each subject heading shows the number of entries under that heading. For example, as shown on the sample page in Appendix D, we have four discs on the subject of college and school songs.

Music Master File Key Number Index: Like the composer-performer code list, it is generated for internal use rather than for public use. It is arranged alphabetically by composer and shows, along with call number, composer, and title, the key number assigned to that record by the system. The key number assigned to a record is needed in order to change any data fields in that record. A sample page of the key number index is shown in Appendix D.

Special Bibliographies of Sound Recordings: These are generated as needed at the request of faculty members. After selecting appropriate records according to a specified criteria, such as folk songs of a given geographical area, or works of a composer performed by a given performing group, etc., the records will be sorted and listed in a desired sequence. The contents and format of the special bibliographies are identical to that of the composer catalog.

Conclusion

After two years of operation, it can be said with confidence that MISS has met its design objectives and has provided excellent service to librarians, faculty, and students. Compared to the services it provides, the development and operating costs are very reasonable. With the development and operation of MISS, the Eastern Illinois University library has

demonstrated that economic and efficient computer based library management systems can be developed at a reasonable cost.

APPENDIX A

MISS SUBJECT HEADING LISTS

LIST 1A - - - SMALL INSTRUMENTAL GROUPS (9 OR LESS) Col. 68-69

90 Chamber Music or Ensembles

91 Soloes

92 Duets

93 Trios

94 Quartets

95 Quintets

LIST 1B - - - LARGE GROUPS OR VOCAL WORKS Col. 68-69

08 Band Music

12 Brass Band

14 Cantatas, Sacred

15 Cantatas, Secular

19 Choral Music, Sacred

20 Choral Music, Secular

21 Dance, Orchestra Music

23 Instrumental Music

24 Jazz Ensembles

28 Madrigals

31 Motion Picture, Television & Radio Music

32 Musical Revues, Comedies, etc.

36 Operas - Do not use for excerpts or selections.

Operettas SEE: Musical Revues, Comedies, etc.

38 Oratorios

40 Orchestral Music

44 Rock Music

48 String Ensembles

52 String Orchestra Music

56 Vocal Soloes

57 Vocal Duets

58 Vocal Trios

59 Vocal Quartets

70 Vocal Ensembles SEE: Madrigals

71 Vocal & Instrumental Groups

76 Wind Ensembles

LIST 2A - - - LANGUAGES Col. 70-71

05	Arabic	43	Hungarian
07	Armenian	45	Icelandic
	Austrian - Use German	46	Iranian
10	Aztec	47	Irish
03	Ba Banzele	50	Italian
08	Basque	52	Japanese
13	Bulgarian	54	Kongo
09	Burmese	55	Korean
11	Cambodian	56	Kyniarwanda
12	Catalan	02	Lao
15	Chinese	57	Latin
17	Corsican	58	Mexican
19	Dan	59	Nigerian
20	Danish	60	Norwegian
22	Dutch	62	Persian
25	English	63	Peruvian
26	Eskimo	65	Polish
04	Ethiopian	67	Portugese
27	Flemish	69	Rumanian
30	Finnish	70	Russian
32	French	71	Rwandan
33	Gallegan	72	Sanskrit
35	German	75	Scottish
37	Greek	77	Serbian
39	Hebrew	80	Slavonic
41	Hindustani	82	Slovakian

LIST 2A cont'd.

85 Spanish

86 Swedish

87 Tagalog

01 Thai

88 Tibetian

89 Turkish

90 Ukranian

92 Venetian

93 Welsh

95 Yiddish

98 Yugoslavian

LIST 2B - - - TYPES OF INSTRUMENTS Col. 70-71

03 Bagpipe

06 Balalaika

09 Banjo

11 Baritone

14 Bassoon

17 Brass SEE: Specific instruments

Cello SEE: Violincello

18 Clarinet & Strings

19 Clarinet

20 Clarinet, Strings, Piano

21 Clarinet & Piano

02 Coronet

22 Double Bass

25 Electronics & Mechanical Music

27 English Horn

28 Fife & Drum

29 Flute & Strings

30 Flute

31 Flute & Harp

12 Flute & Piano

07 Flute, Cello, Harpsichord

32 Flute, Harp, Strings

13 Flute, Viola, Violincello

33 Guitar

34 Flute & Guitar

36 Harp

LIST 2B cont'd.

38 Harpsichord

41 Horn

42 Horns & Strings

43 Horn & Piano

08 Horn & Woodwinds

10 Horn, Woodwinds, Piano

01 Koto

44 Lute

46 Mandolin

Mechanical Music SEE: Electronics & Mechanical Music

49 Mouth Organ

52 Oboe

54 Organ

57 Percussion

60 Piano & Other Keyboard Instruments SEE: Organ; Harpsichord

62 Pipe

65 Recorder

67 Santur

68 Saxaphone

70 Sitar

71 Sitar & Tabla

73 String Instruments SEE: Specific Instruments

75 String & Keyboard Instruments

15 Tabla

76 Trumpet

04 Trumpet & Piano

77 Trombone

LIST 2B cont'd.

05 Trombone & Piano

78 Tuba

81 Ukelele

84 Viola

86 Violin

87 Violin, Horn, Piano

89 Violincello

90 Virginal

91 Wind & Keyboard Instruments

96 Wind & Percussion Instruments

92 Wind Instruments SEE: Specific Instruments

93 Wind & String Instruments

95 Wind, String & Brass

39 Wind, String & Keyboard Instruments

40 Wind, String, Keyboard & Brass

94 Woodwinds SEE: Specific Instruments

97 Zither

LIST 4 - - - SUBJECT Col. 72-73

01 Accompaniements

12 Bagatelles

02 Ballads - By Country

03 Ballet

04 Barbershop

50 Baroque

16 Baroque, Pre-

05 Blues

06 Canons, Fugues, etc.

08 Chants

07 Children's Recordings

09 Christmas Music

10 Church Music SEE: Cantatas, sacred
Chorale Music, sacred

11 Circus Music

13 College & School Songs

92 Concerti Grossi

15 Concertos, Concertinos

17 Country, Western, Bluegrass

18 Dances SEE: Folk & National Dances - By Country

21 Drinking Songs

20 Easter Music

57 Elegies

23 Etudes

24 Fanfares

25 Fantasias

LIST 4 cont'd.

26 Fantasies

27 Folk & National Dances - By Country

29 Folk & National Music - By Country

Fugues SEE: Canons, Fugues, etc.

28 Funeral Music

30 Gavottes

31 Holiday Music

Humor SEE: Varieties & Humor

51 Impromptus

49 Improvisations

32 Incidental Music

33 Intermezzo

Inventions SEE: Canons, Fugues, etc.

34 Jazz

35 Librettos

36 Marches

70 Masques

37 Masses

38 Mazurkas

19 Medieval Music

40 Middle Ages - Music

39 Military Music

65 Minstrel Music

41 Minuets

42 Motets

43 Music Appreciation & Anthologies

LIST 4 cont'd.

44 Musical Excerpts - Several different Musicals

45 Negro Songs and Spirituals SEE: Blues

46 Nocturnes

47 Opera Excerpts - Several different Operas or Selections from 1 Opera

48 Overtures

Passacaglia SEE: Canons, Fugues, etc.

Partitas SEE: Suites

93 Part Songs

53 Polkas

54 Polonaisses

55 Popular Music

58 Popular Music - 1920's

59 Popular Music - 1930's

60 Popular Music - 1940's

61 Popular Music - 1950's

62 Popular Music - 1960's

63 Popular Music - 1970's

66 Potpourri

67 Preludes

68 Preludes & Fugues

64 Primitive Music

69 Prose

71 Psalms

56 Ragtime Music

14 Renaissance Music

72 Requiems

LIST 4 cont'd.

73 Rhapsodies

74 Romantic Period - Music

75 Rondos

76 Scherzos

77 Sea Shanties

78 Selections, Songs, etc.

79 Serenades

80 Sinfonias & Sinfoniettas

81 Sinfonia Concertantes

83 Sonatas

84 Sonatinas

52 Song Cycles

82 Songs, High Voice

86 Songs, Low Voice

90 Songs, Medium Voice

87 Sounds & Special Effects

88 Suites

89 Symphonic Poems

91 Symphonies

Television Music SEE: Motion Picture, Television & Radio Music

Tocattas SEE: Canons, Fugues, etc.

Tocattas & Fugues SEE: Canons, Fugues, etc.

95 Variation

99 Waltzes

APPENDIX B

IBM

INTERNATIONAL BUSINESS MACHINES CORPORATION

GX24-6699-0
Printed in U.S.A.

MULTIPLE-CARD LAYOUT FORM

Company FIU Library Application MISS by Pal Rao Date 12/19/72 Job No. Sheet No. 1

MISS COMPOSER NAME CARD LAYOUT

Composer Name	Indicator: Cross Ref.	Code #	Indicator: ACD		Card In 'CN'
1-64	65	66-73	74	75-78	79-80

MISS COMPOSER CROSS REFERENCE CARD LAYOUT

Code of Person Referring From	Referred Person 1	Referred Person 2	Referred Person 3	Referred Person 4	Referred Person 5	Referred Person 6	Referred Person 7	Referred Person 8	Indicator: ACD		Card In 'CR'
1-8	9-16	17-24	25-32	33-40	41-48	49-56	57-64	65-72	73	74-78	79-80

MISS PERFORMING GROUP RECORD LAYOUT

Group Name	Indicator: ACD		Code #	
1-60	61	62-70	71-76	77-80

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MULTIPLE-CARD LAYOUT FORM

Company: EIU Library
Application: MISS
by: Pal Rao
Date: 12/19/72
Job No.:
Sheet No.: 2

Call #	Med. Code	M.E. Ind.	Composer Code	Performer Code	Title	# Pieces	Location	Format	Subjects	Geo. Area Code	Performing Group Code
9	9	9	9	9	9	9	9	9	9	9	9

MISS MASTER FILE RECORD LAYOUT

Code Number	Subject Heading	A C D	Cutter Number
9	9	9	9

MISS SUBJECT HEADING CARD LAYOUT

Code Number	Geographical Area	A C D
9	9	9

MISS GEOGRAPHICAL AREA CARD LAYOUT

APPENDIX C

EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110601
       /* DATA SET U0110601   AT LEVEL 001 AS OF 05/29/74    */
MUSIC01: PROC OPTIONS (MAIN); /* GENERATE MUSIC MASTER ISF */          00001
   DCL CARDIN FILE RECORD ENV(F(80)),                                  00002
    MUSIC FILE RECORD KEYED OUTPUT ENV(F(860,86) INDEXED),             00003
    CARD CHAR (80), LINE CHAR (86), (CNT1,CNT2) FIXED (5) INIT(0),     00004
    KCNT FIXED (6),  KEYNO PIC '(6)9'; GET LIST(KCNT);                 00005
       ON ENDFILE(CARDIN) GOTO FINISH;                                 00006
    ON KEY(MUSIC) BEGIN;                                               00007
    PUT SKIP LIST('INVALID KEY: '||KEYNO,'ONCODE='||ONCODE);           00008
    GOTO START; END;                                                   00009
START: READ FILE (CARDIN) INTO (CARD); CNT1=CNT1+1;                    00010
    LINE=CARD;  KCNT=KCNT+1; KEYNO=KCNT; SUBSTR(LINE,81)=KEYNO;        00011
    WRITE FILE(MUSIC) FROM (LINE) KEYFROM (KEYNO); CNT2=CNT2+1;        00012
    GOTO START;                                                        00013
FINISH: PUT LIST ('RECORDS  IN: '||CNT1||' OUT: '||CNT2);              00014
    PUT LIST ('HIGHEST KEY USED IN THIS RUN: '||KEYNO); END MUSIC01;   00015
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110602
        /* DATA SET U0110602   AT LEVEL 001 AS OF 05/29/74    */
 MUSIC02: PROC OPTIONS (MAIN); /* SET 12TH CHAR IN CALL# TO BLANK */     00001
    DCL MUSIC FILE RECORD UPDATE ENV (INDEXED),                         00002
      1 LINE, 2 CN CHAR (11), 2 B CHAR (1), 2 DATA CHAR (74),           00003
      (CNT1,CNT2) FIXED (5) INIT (0); ON ENDFILE(MUSIC) GOTO EOJ;       00004
 START: READ FILE(MUSIC) INTO (LINE); CNT1=CNT1+1; B=' ';               00005
      REWRITE FILE(MUSIC) FROM (LINE); CNT2=CNT2+1; GOTO START;         00006
 EOJ: PUT LIST('RECORDS IN: '||CNT1||' OUT: '||CNT2); END MUSIC02;      00007
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110603
       /* DATA SET U0110603   AT LEVEL 001 AS OF 05/29/74    */
MUSIC03: PROC OPTIONS (MAIN); /* PREPARE MUSIC.MASTER FILE FOR SORT */ 00001
   DCL 1 MUSIC_REC,                                                   00002
    2 CN CHAR (12),  /* CALL NUMBER */                                00003
    2 MC PIC '99',  /* MEDIA CODE */                                  00004
    2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                        00005
    2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                       00006
    2 PC CHAR (8),  /* PERFORMER CODE */                             00007
    2 TI CHAR (32),  /* TITLE */                                     00008
    2 VO PIC '99',  /* NO OF VOLUMES */                             00009
    2 LC PIC '9',  /* LOCATION CODE */                              00010
    2 FC PIC '9',  /* FORMAT CODE */                                00011
    2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                  00012
    2 CC CHAR (3), /* COUNTRY CODE */                               00013
    2 PG CHAR (4),  /* PERFORMING GROUP CODE */                     00014
    2 KN CHAR (6); /* KEY NUMBER */                                 00015
   DCL MUSIC FILE RECORD ENV(INDEXED),                              00016
    DISK FILE RECORD OUTPUT ENV(F(860,86)),                         00017
    (CNT1,CNT2) FIXED (5) INIT (0);  ON ENDFILE(MUSIC) GOTO EOJ;    00018
START: READ FILE (MUSIC) INTO (MUSIC_REC); CNT1=CNT1+1;             00019
     IF ME=2 THEN DO; AC=PC; END;                                   00020
    WRITE FILE (DISK) FROM (MUSIC_REC); CNT2=CNT2+1; GOTO START;    00021
EOJ:    PUT SKIP(2) LIST('RECORDS IN: '||CNT1||' OUT: '||CNT2);     00022
     END MUSIC03;                                                   00023
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

```
EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

++WRITE PRINT,U0110604
       /* DATA SET U0110604   AT LEVEL 002 AS OF 10/21/74    */
MUSIC04: PROC OPTIONS (MAIN); /* PRINT MEDIA LIBRARY COMPOSER CATALOG*/00001
/* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */      00002
      DCL MEDIA FILE RECORD ENV(F(860,86)),                        00003
       CARDIN FILE RECORD ENV(F(80)),                              00004
          NAMES FILE RECORD KEYED ENV (INDEXED),                   00005
          GROUP FILE RECORD KEYED ENV (INDEXED),                   00006
    LIST FILE RECORD OUTPUT ENV (F(133) CTLASA),                   00007
    1 TLINE, 2 CTL CHAR (1), 2 LINE CHAR (132),                    00008
    1 CRD, 2 NO  PIC '99', 2 MEDIUM CHAR (78),                     00009
  PGCNT PIC 'ZZZZ9', (LCNT,PCNT,TCNT) FIXED (5) INIT (0);          00010
   DCL SW1 BIT(1) INIT('0'B);                                      00011
   DCL 1 NREC2, 2 NAME2  CHAR (64), 2 X2 CHAR (1), 2 KEY2 CHAR(8); 00012
   DCL 1 MEDIA_REC,                                                00013
    2 CN CHAR (12),  /* CALL NUMBER */                             00014
    2 MC PIC '99',  /* MEDIA CODE */                               00015
    2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                      00016
    2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                     00017
    2 PC CHAR (8),  /* PERFORMER CODE */                           00018
    2 TI CHAR (32),  /* TITLE */                                   00019
    2 VO PIC '99',  /* NO OF VOLUMES */                            00020
    2 LC PIC '9',  /* LOCATION CODE */                             00021
    2 FC PIC '9',  /* FORMAT CODE */                               00022
    2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                 00023
    2  CC CHAR (3), /* COUNTRY CODE */                             00024
    2 PG CHAR (4),  /* PERFORMING GROUP CODE */                    00025
    2 KN CHAR (6); /* KEY NUMBER */                                00026
   DCL 1 GREC, 2 GNAME CHAR(60), 2 GKEY CHAR(6),                   00027
       1 NREC, 2  NAME CHAR(64), 2 X CHAR (1), 2 KEY1 CHAR (8);    00028
   DCL MTYPE(0:N) CHAR(50) CTL, N FIXED(2);          KEY1,KEY2=' '; 00029
   GET DATA (N); ALLOCATE MTYPE; MTYPE(*)=' ';                     00030
        ON KEY(NAMES) BEGIN;  IF SW1 THEN DO;   SW1='0'B;          00031
          PUT SKIP LIST('INVALID PERFORMER CODE: '||PC||' IN REC# '||C00032
N||'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN); GOTO L8; END;   00033
          PUT SKIP LIST('INVALID COMP   CODE: '||AC,'IN REC#: '||CN); 00034
    PUT LIST('ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN);       00035
         GOTO L5; END;                                             00036
        ON KEY(GROUP) BEGIN;                                       00037
          PUT SKIP LIST('INVALID GROUP CODE: '||GKEY||'IN REC#: '||CN,00038
'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN); GOTO L10; END;     00039
        ON ENDFILE(MEDIA) GOTO FINISH;                             00040
LOOP: READ FILE (CARDIN) INTO (CRD);       IF NO=99 THEN GOTO TPAGE; 00041
    IF NO>=0 & NO <=N THEN DO; MTYPE(NO)=MEDIUM; GOTO LOOP; END;   00042
    PUT SKIP LIST('INVALID MC: '||MC||MEDIUM); GOTO LOOP;          00043
TPAGE:  CTL='1'; LINE=' ';  WRITE FILE (LIST) FROM (TLINE); CTL=' '; 00044
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00045
ION SYSTEMS DEPARTMENT';                                           00046
        DO J=1 TO 5; WRITE FILE (LIST) FROM (TLINE); END; LINE=' '; 00047
    CTL='-';  DO I=1 TO 4;   READ FILE (CARDIN) INTO (CRD);        00048
        SUBSTR(LINE,30)=MEDIUM;                                    00049
                WRITE FILE (LIST) FROM  (TLINE);  END;             00050
  LINE=(132)'*';  DO I=1 TO 4;  WRITE FILE (LIST) FROM (TLINE); END; 00051
```

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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

    LINE=' ';   SUBSTR (LINE,56)=' A PRODUCT OF';                          00052
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00053
      SUBSTR(LINE,45)='MUSIC INFORMATION SERVICES SYSTEM (MISS)';          00054
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00055
         SUBSTR (LINE,54)='DESIGNED & PROGRAMMED';                         00056
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00057
         SUBSTR (LINE,63)='BY';                                            00058
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00059
         SUBSTR (LINE,41)='PALADUGU V RAO, SYSTEMS ENGINEER, BOOTH LIBRA00060
RY';     WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00061
         WRITE FILE (LIST) FROM (TLINE); CTL=' ';                          00062
     SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00063
ION SYSTEMS DEPARTMENT';                                                   00064
           DO J=1 TO 5; WRITE FILE(LIST)FROM(TLINE); END;                  00065
HEAD: CTL='1'; LCNT=0; PCNT=PCNT+1; PGCNT=PCNT; LINE=' ';                  00066
SUBSTR(LINE,9) ='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY--INFORMATION00067
 SYSTEMS DEPARTMENT-MEDIA LIBRARY COMPOSER CATALOG';                       00068
    SUBSTR(LINE,120)='PAGE'||PGCNT; WRITE FILE (LIST) FROM (TLINE);        00069
CTL='0'; LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE=' ';          00070
         LINE='CALL NUMBER';                                               00071
         SUBSTR(LINE,15)='COMPOSER / PERFORMER';                           00072
         SUBSTR(LINE,68)='TITLE / PERFORMING GROUP';                       00073
         SUBSTR(LINE,103)='MEDIUM'; SUBSTR(LINE,128)='UNITS';              00074
       WRITE FILE (LIST) FROM (TLINE);                                     00075
    LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE= ' ';              00076
START:  READ FILE(MEDIA) INTO (MEDIA_REC); LINE=CN;  SW1='0'B;             00077
    IF AC=' ' THEN DO; SUBSTR(LINE,15)='NO COMPOSER'; GOTO L5; END;        00078
  IF KEY1¬=AC THEN READ FILE(NAMES)INTO(NREC)KEY(AC);                      00079
         SUBSTR(LINE,15)=NAME;                                             00080
L5: SUBSTR(LINE,68)=TI;  IF MC>=0 & MC<=N THEN DO;                         00081
         SUBSTR(LINE,103)=MTYPE(MC); GOTO L6; END;                         00082
         SUBSTR(LINE,103)='INVALID MC';                                    00083
L6: IF VO>1 THEN DO; SUBSTR(LINE,129)=VO; END;                             00084
         WRITE FILE (LIST) FROM (TLINE); TCNT=TCNT+1; LCNT=LCNT+2;         00085
         LINE=' ';  IF PC¬=' ' THEN DO;  SW1='1'B;                         00086
    IF KEY2¬=PC THEN READ FILE(NAMES)INTO(NREC2)KEY(PC);                   00087
L7: SUBSTR(LINE,15)='PERFORMER(S): '||NAME2;  END;                         00088
L8: IF PG¬=' ' THEN DO; GKEY='00'||PG;                                     00089
         READ FILE(GROUP) INTO (GREC) KEY(GKEY);                           00090
                    SUBSTR(LINE,68)=GNAME;  END;                           00091
L10: IF LINE¬=' ' THEN DO;  CTL=' '; LCNT=LCNT+1;                          00092
         WRITE FILE (LIST) FROM (TLINE);   CTL='0'; END;                   00093
             IF LCNT>49 THEN GOTO HEAD; ELSE GOTO START;                   00094
FINISH: CTL='-';          LINE=' '; PGCNT=TCNT;                            00095
    SUBSTR(LINE,25)='NO OF TITLES IN THE LIST: '||PGCNT;                   00096
         WRITE  FILE(LIST) FROM(TLINE);          END MUSIC04;              00097
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110605
        /* DATA SET U0110605   AT LEVEL 001 AS OF 05/29/74     */
 MUSIC05: PROC OPTIONS (MAIN); /*UPDATE MUSIC MASTER FILE WITH CHANGES*/00001
 /* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */       00002
    DCL MEDIA FILE DIRECT ENV(INDEXED),  CARDIN FILE RECORD ENV(F(80)), 00003
     1 LINE, 2 REC CHAR(80), 2 KN CHAR (6), CARD CHAR (80),            00004
     NO PIC '(6)9', KEY# CHAR (6);   ON ENDFILE(SYSIN) GOTO EOJ;       00005
     ON KEY(MEDIA) BEGIN; PUT SKIP LIST ('INVALID KEY: '||KEY#);       00006
     PUT LIST('ONCODE='||ONCODE); GOTO START; END;                     00007
       OPEN FILE(MEDIA) UPDATE;                                        00008
 START: GET LIST(NO); READ FILE (CARDIN) INTO (CARD);    KEY#=NO;      00009
     READ FILE(MEDIA) INTO (LINE) KEY (KEY#); REC=CARD;                00010
     REWRITE FILE(MEDIA) FROM (LINE)  KEY (KEY#);                      00011
     PUT SKIP(2) LIST(CARD,KEY#); GOTO START;                          00012
 EOJ: END MUSIC05;                                                     00013
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

++WRITE PRINT,U0110606
       /* DATA SET U0110606   AT LEVEL 003 AS OF 11/16/74     */
MUSIC06: PROC OPTIONS (MAIN); /* PRINT MUSIC MASTER FILE KEY# INDEX */ 00001
/* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */        00002
      DCL MEDIA FILE RECORD, CARDIN FILE RECORD ENV(F(80)),             00003
          NAMES FILE RECORD KEYED ENV (INDEXED),                        00004
    LIST FILE RECORD OUTPUT ENV (F(132) CTLASA),                        00005
    1 TLINE, 2 CTL CHAR (1), 2 LINE CHAR (132),                         00006
    1 CRD, 2 NO  PIC '99', 2 MEDIUM CHAR (78),                          00007
  PGCNT PIC 'ZZZZ9', (LCNT,PCNT,TCNT) FIXED (5) INIT (0);               00008
   DCL 1 MEDIA_REC,                                                     00009
    2 CN CHAR (12),  /* CALL NUMBER */                                  00010
    2 MC PIC '99',  /* MEDIA CODE */                                    00011
    2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                           00012
    2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                          00013
    2 PC CHAR (8),  /* PERFORMER CODE */                                00014
    2 TI CHAR (32),  /* TITLE */                                        00015
    2 VO PIC '99',  /* NO OF VOLUMES */                                 00016
    2 LC PIC '9',  /* LOCATION CODE */                                  00017
    2 FC PIC '9',  /* FORMAT CODE */                                    00018
    2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                      00019
    2  CC CHAR (3), /* COUNTRY CODE */                                  00020
    2 PG CHAR (4),  /* PERFORMING GROUP CODE */                         00021
    2 KN CHAR(6); /* KEY NUMBER*/     KEY1=' ';                        00022
   DCL 1 NREC, 2  NAME CHAR(64), 2 X CHAR (1), 2 KEY1 CHAR (8);         00023
    ON KEY(NAMES) BEGIN; SUBSTR(LINE,15)='INVALID COMP CODE: '||AC;     00024
       GOTO L10; END;       ON ENDFILE(MEDIA) GOTO FINISH;              00025
TPAGE:  CTL='1'; LINE=' ';  WRITE FILE (LIST) FROM (TLINE); CTL=' ';    00026
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00027
ION SYSTEMS DEPARTMENT';                                                00028
       DO J=1 TO 5; WRITE FILE (LIST) FROM (TLINE); END; LINE=' ';      00029
    CTL='-';  DO I=1 TO 4;   READ FILE (CARDIN) INTO (CRD);             00030
       SUBSTR(LINE,30)=MEDIUM;                                          00031
              WRITE FILE (LIST) FROM  (TLINE);  END;                    00032
  LINE=(132)'*';  DO I=1 TO 4;  WRITE FILE (LIST) FROM (TLINE); END;    00033
  LINE=' ';   SUBSTR (LINE,56)=' A PRODUCT OF';                         00034
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                        00035
    SUBSTR(LINE,45)='MUSIC INFORMATION SERVICES SYSTEM (MISS)';         00036
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                        00037
       SUBSTR (LINE,54)='DESIGNED & PROGRAMMED';                        00038
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                        00039
       SUBSTR (LINE,63)='BY';                                           00040
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                        00041
       SUBSTR (LINE,41)='PALADUGU V RAO, SYSTEMS ENGINEER, BOOTH LIBRA00042
RY';    WRITE FILE (LIST) FROM (TLINE); LINE=' ';                       00043
       WRITE FILE (LIST) FROM (TLINE); CTL=' ';                         00044
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00045
ION SYSTEMS DEPARTMENT';                                                00046
         DO J=1 TO 5; WRITE FILE(LIST)FROM(TLINE); END;                 00047
HEAD: CTL='1'; LCNT=0; PCNT=PCNT+1; PGCNT=PCNT; LINE=' ';               00048
SUBSTR(LINE,10)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY--INFORMATION00049
 SYSTEMS DEPARTMENT-MUSIC MASTER FILE KEY# INDEX';                      00050
    SUBSTR(LINE,120)='PAGE'||PGCNT; WRITE FILE (LIST) FROM (TLINE);     00051
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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

 CTL='0'; LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE=' ';          00052
         LINE='CALL NUMBER';       SUBSTR(LINE,15)='COMPOSER';              00053
       , SUBSTR(LINE,68)='TITLE';                                           00054
         SUBSTR(LINE,103)='KEY NO';                                         00055
       WRITE FILE (LIST) FROM (TLINE);                                      00056
     LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE= ' ';              00057
 START:  READ FILE(MEDIA) INTO (MEDIA_REC); LINE=CN;                        00058
     IF AC=' ' THEN DO; SUBSTR(LINE,15)='NO COMPOSER'; GOTO L10; END;       00059
     IF KEY1¬=AC THEN READ FILE(NAMES)INTO(NREC)KEY(AC);                    00060
     SUBSTR(LINE,15)=NAME;                                                  00061
 L10: SUBSTR(LINE,68)=TI; SUBSTR(LINE,103)=KN;                              00062
     WRITE FILE(LIST) FROM (TLINE); LINE=' '; LCNT=LCNT+1;  CTL=' ';        00063
     TCNT=TCNT+1; IF LCNT>49 THEN GOTO HEAD; ELSE GOTO START;               00064
 FINISH: CTL='-';          LINE=' '; PGCNT=TCNT;                            00065
     SUBSTR(LINE,25)='NO OF TITLES IN THE LIST: '||PGCNT;                   00066
        WRITE  FILE(LIST) FROM(TLINE);          END MUSIC06;                00067
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
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EASTERN ILLINOIS UNIVERSITY                                  DATE 06/16/75

++WRITE PRINT,U0110607
        /* DATA SET U0110607   AT LEVEL 001 AS OF 07/09/74     */
 /* MUSIC07: GENERATE MUSIC SUBJECT CATALOG */                              00001
 MUSIC07: PROC OPTIONS (MAIN);                                              00002
    DCL 1 MUSIC_REC,                                                        00003
     2 CN CHAR (12),  /* CALL NUMBER */                                     00004
     2 MC PIC '99',  /* MEDIA CODE */                                       00005
     2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                             00006
     2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                            00007
     2 PC CHAR (8),  /* PERFORMER CODE */                                  00008
     2 TI CHAR (32),  /* TITLE */                                          00009
     2 VO PIC '99',  /* NO OF VOLUMES */                                   00010
     2 LC PIC '9',  /* LOCATION CODE */                                    00011
     2 FC PIC '9',  /* FORMAT CODE */                                      00012
     2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                        00013
     2  CC CHAR (3), /* COUNTRY CODE */                                    00014
     2 PG CHAR (4),  /* PERFORMING GROUP CODE */                           00015
     2 KN CHAR (6); /* KEY NUMBER */                                       00016
    DCL MUSIC FILE RECORD, DISK FILE RECORD OUTPUT ENV(F(650,65)),          00017
     (CNT1,CNT2) FIXED (5) INIT (0), LINE CHAR (65);                        00018
    DCL SUBREC CHAR (55),  CUT# CHAR (6) DEF SUBREC POS (48),               00019
      SUBJT FILE RECORD DIRECT ENV (REGIONAL(1));                           00020
    DCL KEY# CHAR (3); K=0;  DCL BYTE1 CHAR (1) DEF SUBREC;                 00021
        ON ENDFILE(MUSIC) GOTO EOJ;                                         00022
     ON KEY (SUBJT) BEGIN; PUT SKIP LIST('INVALID KEY# '||KEY#,             00023
 'IN RECORD:   '||AC||'  '||TI,'KEY NO:'||KN,                               00024
     'ONCODE='||ONCODE);                                                    00025
     IF K=1 THEN GOTO L3; IF K=2 THEN GOTO L4; ELSE GOTO L1; END;           00026
 L1: READ FILE (MUSIC) INTO (MUSIC_REC); CNT1=CNT1+1;                       00027
     LINE=CN||MC||AC||TI;      K=1;                                         00028
     IF SC1>0 THEN DO; SUBSTR(LINE,55)='1'||SC1;       KEY#='1'||SC1;       00029
     READ FILE(SUBJT)INTO(SUBREC) KEY (KEY#);                               00030
          IF UNSPEC(BYTE1)=(8)'1'B THEN SIGNAL KEY (SUBJT);                 00031
     SUBSTR(LINE,58)=CUT#;                                                  00032
       WRITE FILE(DISK)FROM(LINE); CNT2=CNT2+1;          END;                00033
 L3: K=2;                                                                   00034
     IF SC2>0 THEN DO; IF SC1>89 THEN SUBSTR(LINE,55)='3'||SC2;             00035
     ELSE SUBSTR(LINE,55)='2'||SC2;                                         00036
     IF SC1>89 THEN KEY#='3'||SC2; ELSE KEY#='2'||SC2;                      00037
     READ FILE(SUBJT)INTO(SUBREC) KEY (KEY#);                               00038
          IF UNSPEC(BYTE1)=(8)'1'B THEN SIGNAL KEY (SUBJT);                 00039
     SUBSTR(LINE,58)=CUT#;                                                  00040
       WRITE FILE(DISK)FROM(LINE); CNT2=CNT2+1;          END;                00041
 L4: K=0;                                                                   00042
     IF SC3>0 THEN DO; SUBSTR(LINE,55)='4'||SC3; K=0; KEY#='4'||SC3;        00043
     READ FILE(SUBJT)INTO(SUBREC) KEY (KEY#);                               00044
          IF UNSPEC(BYTE1)=(8)'1'B THEN SIGNAL KEY (SUBJT);                 00045
     SUBSTR(LINE,58)=CUT#;                                                  00046
       WRITE FILE(DISK)FROM(LINE); CNT2=CNT2+1;          END;                00047
     GOTO L1;                                                               00048
 EOJ:    PUT SKIP(2) LIST('RECORDS IN: '||CNT1||' OUT: '||CNT2);            00049
    END  MUSIC07;                                                           00050
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
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EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110608
      /* DATA SET U0110608   AT LEVEL 002 AS OF 06/16/75    */
MUSIC08: PROC OPTIONS (MAIN); /*PRINT MUSIC SUBJECT CATALOG*/                00001
/* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */              00002
   DCL MEDIA FILE RECORD,                                                    00003
       CARDIN FILE RECORD ENV(F(80)),                                        00004
    LIST FILE RECORD OUTPUT ENV (F(133) CTLASA),                             00005
     SUBJT FILE RECORD DIRECT ENV (REGIONAL(1));                             00006
       DCL MTYPE(0:N) CHAR(50) CTL, N FIXED(2);                              00007
   DCL    NAMES FILE RECORD KEYED ENV (INDEXED),                             00008
       1 NREC, 2  NAME CHAR(64), 2 X CHAR (1), 2 KEY1 CHAR (8);              00009
       DCL SW  BIT(1) INIT('0'B),                                            00010
    1 TLINE, 2 CTL CHAR (1), 2 LINE CHAR (132),                              00011
  PGCNT PIC 'ZZZ9',  (LCNT,PCNT,TCNT) FIXED (4) INIT (0), CRD CHAR(80);     00012
   DCL 1 MEDIA_REC, 2 NO PIC '99',  2 MEDIUM CHAR (78);                      00013
   DCL 1 SUB_REC, 2 CN CHAR (12), 2 MC PIC '99', 2 AC CHAR (8),              00014
    2 TI CHAR (32), 2 SHC PIC '999', 2 CUT# CHAR (8),                        00015
       SREC CHAR(55), SKEY PIC '999',  BYTE1 CHAR (1) DEF SREC;              00016
       ON ENDFILE(MEDIA) GOTO FINISH;                                        00017
       ON KEY(NAMES) BEGIN;   PGCNT=PCNT;                                    00018
          PUT SKIP LIST('INVALID AUTHOR CODE: '||AC,'IN REC#: '||CN);        00019
    PUT LIST('ONCODE='||ONCODE,'PAGE:'||PGCNT); GOTO L5; END;                00020
       ON KEY(SUBJT) BEGIN;        SW='1'B;                                  00021
          PUT SKIP LIST('INVALID SUBJECT CODE: '||SKEY||'IN REC# '||CN00022
,'ONCODE='||ONCODE); GOTO  L5;  END;                                         00023
   GET DATA (N); ALLOCATE MTYPE; MTYPE(*)=' ';                               00024
LOOP: READ FILE (CARDIN) INTO (MEDIA_REC); IF NO=99 THEN GOTO TPAGE;         00025
    IF NO>=0 & MC <=N THEN DO; MTYPE(NO)=MEDIUM; GOTO LOOP; END;             00026
    PUT SKIP LIST('INVALID MC: '||NC||MEDIUM); GOTO LOOP;                    00027
TPAGE:  CTL='1'; LINE=' ';  WRITE FILE (LIST) FROM (TLINE); CTL=' ';         00028
LINE='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMATION SYSTEMS DEP00029
ARTMENT';                                                                    00030
       DO J=1 TO 5; WRITE FILE (LIST) FROM (TLINE); END; LINE=' ';           00031
    CTL='-';  DO I=1 TO 4;   READ FILE (CARDIN) INTO (CRD);                  00032
   LINE=CRD;     WRITE FILE (LIST) FROM  (TLINE);  END;                      00033
    LINE=(74)'*';  DO I=1 TO 4;  WRITE FILE (LIST) FROM (TLINE); END;        00034
   LINE=' ';   SUBSTR (LINE,27)=' A PRODUCT OF';                             00035
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                             00036
    SUBSTR(LINE,16)='MEDIA INFORMATION SERVICES SYSTEM (MISS)';              00037
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                             00038
       SUBSTR (LINE,25)='DESIGNED & PROGRAMMED';                             00039
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                             00040
       SUBSTR (LINE,34)='BY';                                                00041
       WRITE FILE (LIST) FROM (TLINE); LINE=' ';                             00042
       SUBSTR (LINE,12)='PALADUGU V RAO, SYSTEMS ENGINEER, BOOTH LIBRA00043
RY';    WRITE FILE (LIST) FROM (TLINE); LINE=' ';                            00044
       WRITE FILE (LIST) FROM (TLINE); CTL=' ';                              00045
LINE='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMATION SYSTEMS DEP00046
ARTMENT';  DO J=1 TO 5; WRITE FILE(LIST)FROM(TLINE); END;                    00047
HEAD: CTL='1'; LCNT=0; PCNT=PCNT+1; PGCNT=PCNT; LINE=' ';                    00048
SUBSTR(LINE,10)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY--INFORMATION00049
 SYSTEMS DEPARTMENT-MEDIA LIBRARY SUBJECT CATALOG';                          00050
   SUBSTR(LINE,120)='PAGE'||PGCNT; WRITE FILE (LIST) FROM (TLINE);           00051
```

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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

CTL='0'; LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE=' ';          00052
        LINE='CALL NUMBER';                                                00053
        SUBSTR(LINE,15)='AUTHOR';                                          00054
        SUBSTR(LINE,68)='TITLE';                                           00055
        SUBSTR(LINE,103)='MEDIUM';                                         00056
      WRITE FILE (LIST) FROM (TLINE);                                      00057
    LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE= ' ';              00058
L3: CALL SH;                                                               00059
L4: LINE=CN;                                                               00060
    IF AC=' ' THEN DO; SUBSTR(LINE,15)='NO AUTHOR'; GOTO L5; END;          00061
        READ FILE(NAMES) INTO (NREC) KEY (AC);                             00062
        SUBSTR(LINE,15)=NAME;                                              00063
L5: SUBSTR(LINE,68)=TI;  IF MC>=0 & MC<=N THEN DO;                         00064
        SUBSTR(LINE,103)=MTYPE(MC); GOTO L6; END;                          00065
      SUBSTR(LINE,103)='INVALID MC';                                       00066
                IF LCNT>49 THEN DO;                                        00067
     READ FILE (MEDIA) INTO (SUB_REC);                                     00068
    IF SKEY=SHC THEN GOTO L7; ELSE GOTO L8; END;                           00069
L6:  READ FILE (MEDIA) INTO (SUB_REC);                                     00070
    IF SW THEN DO; CALL SH; GOTO L4; END;                                  00071
    IF SKEY¬=SHC THEN GOTO L8;                                             00072
L7:     WRITE FILE (LIST) FROM (TLINE); TCNT=TCNT+1; LCNT=LCNT+1;          00073
        CTL=' ';   IF LCNT>49 THEN GOTO HEAD;   ELSE GOTO L4;              00074
L8:  PGCNT=TCNT+1; TCNT=0;                                                 00075
    SUBSTR(LINE,129)=PGCNT;                                                00076
        WRITE FILE (LIST) FROM (TLINE); LINE=' ';      LCNT=LCNT+1;        00077
        IF LCNT>47 THEN GOTO HEAD;    ELSE GOTO L3;                        00078
SH: PROC;      SKEY=SHC;                                                   00079
    READ FILE (SUBJT) INTO (SREC) KEY (SHC);                               00080
         IF UNSPEC(BYTE1)=(8)'1'B THEN SIGNAL KEY (SUBJT);                 00081
  SUBSTR(LINE,40,47)=SREC; SW='0'B; CTL='0'; LCNT=LCNT+3;                  00082
        IF TCNT>0 THEN SUBSTR(LINE,88)='CONTINUED';                        00083
        WRITE FILE (LIST) FROM (TLINE); LINE=' ';    END SH;               00084
FINISH: CTL='-'; LINE=' '; PGCNT=TCNT; SUBSTR(LINE,129)=PGCNT;             00085
    WRITE FILE(LIST)FROM(TLINE); END MUSIC08;                              00086
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

++WRITE PRINT,U0110609
        /* DATA SET U0110609   AT LEVEL 002 AS OF 07/30/74     */
 MUSIC09: PROC OPTIONS (MAIN); /*PRINT MUSIC TITLE CATALOG*/                  00001
 /* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */             00002
       DCL MEDIA FILE RECORD ENV(F(860,86)),                                00003
        CARDIN FILE RECORD ENV(F(80)),                                      00004
           NAMES FILE RECORD KEYED ENV (INDEXED),                           00005
           GROUP FILE RECORD KEYED ENV (INDEXED),                           00006
     LIST FILE RECORD OUTPUT ENV (F(133) CTLASA),                           00007
     1 TLINE, 2 CTL CHAR (1), 2 LINE CHAR (132),                            00008
     1 CRD, 2 NO  PIC '99', 2 MEDIUM CHAR (78),                             00009
    PGCNT PIC 'ZZZZ9', (LCNT,PCNT,TCNT) FIXED (5) INIT (0);                 00010
        DCL SW1 BIT(1) INIT('0'B);                                          00011
     DCL 1 MEDIA_REC,                                                       00012
      2 CN CHAR (12),  /* CALL NUMBER */                                    00013
      2 MC PIC '99',  /* MEDIA CODE */                                      00014
      2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                            00015
      2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                           00016
      2 PC CHAR (8),  /* PERFORMER CODE */                                 00017
      2 TI CHAR (32),  /* TITLE */                                         00018
      2 VO PIC '99',  /* NO OF VOLUMES */                                  00019
      2 LC PIC '9',  /* LOCATION CODE */                                   00020
      2 FC PIC '9',  /* FORMAT CODE */                                     00021
      2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                       00022
      2  CC CHAR (3), /* COUNTRY CODE */                                   00023
      2 PG CHAR (4), /* PERFORMING GROUP CODE */                          00024
      2 KN CHAR (6); /* KEY NUMBER */                                     00025
     DCL 1 GREC, 2 GNAME CHAR(60), 2 GKEY CHAR(6),                          00026
         1 NREC, 2  NAME CHAR(64), 2 X CHAR (1), 2 KEY1 CHAR (8);           00027
         DCL MTYPE(0:N) CHAR(50) CTL, N FIXED(2);                           00028
     GET DATA (N); ALLOCATE MTYPE; MTYPE(*)=' ';                            00029
          ON KEY(NAMES) BEGIN;  IF SW1 THEN DO;   SW1='0'B;                 00030
            PUT SKIP LIST('INVALID PERFORMER CODE: '||PC||' IN REC# '||CN00031
 ||'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN); GOTO L8; END;            00032
            PUT SKIP LIST('INVALID COMP   CODE: '||AC,'IN REC#: '||CN);     00033
      PUT LIST('ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN);              00034
            GOTO L5; END;                                                   00035
          ON KEY(GROUP) BEGIN;                                              00036
            PUT SKIP LIST('INVALID GROUP CODE: '||GKEY||'IN REC#: '||CN,00037
 'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN); GOTO L10; END;             00038
          ON ENDFILE(MEDIA) GOTO FINISH;                                    00039
 LOOP: READ FILE (CARDIN) INTO (CRD);        IF NO=99 THEN GOTO TPAGE;      00040
      IF NO>=0 & NO <=N THEN DO; MTYPE(NO)=MEDIUM; GOTO LOOP; END;          00041
      PUT SKIP LIST('INVALID MC: '||MC||MEDIUM); GOTO LOOP;                 00042
 TPAGE:  CTL='1'; LINE=' ';  WRITE FILE (LIST) FROM (TLINE); CTL=' ';       00043
      SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00044
 ION SYSTEMS DEPARTMENT';                                                   00045
          DO J=1 TO 5; WRITE FILE (LIST) FROM (TLINE); END; LINE=' ';       00046
      CTL='-';  DO I=1 TO 4;   READ FILE (CARDIN) INTO (CRD);               00047
          SUBSTR(LINE,30)=MEDIUM;                                           00048
                 WRITE FILE (LIST) FROM  (TLINE);  END;                     00049
     LINE=(132)'*';  DO I=1 TO 4;  WRITE FILE (LIST) FROM (TLINE); END;     00050
     LINE=' ';   SUBSTR (LINE,56)=' A PRODUCT OF';                          00051
```

APPENDIX D

CUTTER NO	COMPOSER-PERFORMER
AN283	ANDRIESSEN, HENDRIK, 1892-
AN284	ANDRIESSEN, JURRIAAN
AN35	ANERIO, FELICE, 1560?-1614
AN481	ANGLEBERT, JEAN HENRY D', 1628-1691
AN482	ANGUS, SYLVIA
AN61	ANKA, PAUL
AN783	ANONYMUS
AN813	ANSBACHER, H L
AN86	ANTHEIL, GEORGE, 1900-1959
AN862	ANTILL, JOHN HENRY
AN866	ANTHONY, RAY
AP118	APAKA, ALFRED, 1919-
AP22	APEL, WILLI, 1893- , ED.
AP563	APPLETON, VERA
	SEE ALSO APPLETON; FIELD
AP564	APPLETON; FIELD
AR211	ARCADELT, JACOB,CA. 1514-CA. 1562
AR22	ARCHANGELSKY, ALEXANDER, 1846-1924.
AR27	ARCO, ANNIE D'
AR286	ARDEVOL, JOSE, 1911-
AR33	ARENSKII, ANTONII STEPANOVICH, 1861-1906.
AR36	ARGENT
AR37	ARGENTO, DOMINICK
AR435	ARIOSTI, ATTILIO MALACHIA, 1666-1740?

CALL NUMBER	COMPOSER / PERFORMER	TITLE / PERFORMING GROUP	MEDIUM	UNITS
XL#6C1-3	LUTHER, MARTIN	KYRIE ELEISON EASTERN MUSIC CAMP SYMPHONIC CHORUS, EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	
J251-4	LUTOSLAWSKI, WITOLD, 1913-	CONCERTO ORCH CHICAGO SYMPHONY ORCHESTRA	DISC 33 RPM STEREO	
L9753#1	LUTENS, DAME ELIZABETH PERFORMER(S): HANDT, HERBERT	AND SUDDENLY IT'S EVENING B B C SYMPHONY ORCHESTRA	DISC 33 RPM STEREO	
XS#30V7	LUYTHON, KAREL, C. 1557/58-1620 PERFORMER(S): HANSEN, JORGEN ERNST	FUGA SUAVISSIMA	DISC 33 RPM STEREO	
T1475#2	LYBBERT, DONALD, 1923- PERFORMER(S): ROGERS, HERBERT	SONATA BREVIS	DISC 33 RPM STEREO	
XL#4C1-4	MCBETH, THOMAS	SECOND SUITE FOR BAND EASTERN MUSIC CAMP SYMPHONIC BAND I, EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	
M1275#2	MCCARTNEY, PAUL PERFORMER(S): MCCARTNEY, PAUL	BAND ON THE RUN WINGS	8-TR 3 3/4 IPS STEREO	
M1275#2	MCCARTNEY, PAUL PERFORMER(S): MCCARTNEY, PAUL	BAND ON THE RUN WINGS	DISC 33 RPM STEREO	
M1275#1	MCCARTNEY, PAUL	RAM	DISC 33 RPM STEREO	
L553#3	MCCRACKEN, JAMES	OPERATIC RECITAL	DISC 33 RPM STEREO	
M143#2	MACDERMOT, GALT	COTTON COMES TO HARLEM, SELECTIO	DISC 33 RPM STEREO	
M143-1	MACDERMOT, GALT	HAIR	DISC 33 RPM MONO	
M145-1	MC DONALD, HARL, 1899-	SYMPHONY #1 PHILADELPHIA ORCHESTRA	DISC 78 RPM MONO	03
M119-1	MACDONALD, JEANETTE, 1907-1965 PERFORMER(S): MACDONALD, JEANETTE, 1907-1965	OPERETTA FAVORITES CASE, RUSS & HIS ORCHESTRA	DISC 78 RPM MONO	03
P943-17	MACDOWELL, EDWARD ALEXANDER, 1861-1908 PERFORMER(S): CLIBURN, VAN, 1934-	CONCERTO #2 OP23 D MN CHICAGO SYMPHONY ORCHESTRA	DISC 33 RPM STEREO	
M148#5	MACDOWELL, EDWARD ALEXANDER, 1861-1908 PERFORMER(S): MITCHELL, MARJORIE	CONCERTO #2, D MN, OP23 AMERICAN ARTS ORCHESTRA	DISC 33 RPM MONO	
M148#5	MACDOWELL, EDWARD ALEXANDER, 1861-1908 PERFORMER(S): MITCHELL, MARJORIE	CONCERTO #4, OP59, KELTIC AMERICAN ARTS ORCHESTRA	DISC 33 RPM MONO	
G323#8	MACDOWELL, EDWARD ALEXANDER, 1861-1908	CONCERTO OP 23 #2 D MN PIANO	DISC 33 RPM STEREO	
XC#14	MACDOWELL, EDWARD ALEXANDER, 1861-1908	SUITE #2 INDIAN DIRGE OP48 EASTMAN-ROCHESTER SYMPHONY ORCHESTRA	DISC 78 RPM MONO	

CALL NUMBER	COMPOSER / PERFORMER	TITLE / PERFORMING GROUP	MEDIUM	UNITS
[illegible]	BALOGH, ERNO COMPOSER: SCHUBERT, FRANZ PETER, 1797-1828	SONATA PF OP78 G FANTASY	DISC 33 RPM MONO	
VSS4-28	BAMPTON, ROSE, 1909- COMPOSER: VERDI, GIUSEPPE, 1813-1901	AIDA ACT 3 RECITATIVE & ARIA O P RCA VICTOR SYMPHONY ORCHESTRA	DISC 78 RPM MONO	
VVC #138		ENGLISH POLYPHONY 13TH & 14TH CE	DISC 33 RPM MONO	
S73-46	BARENBOIM: DUPRE, J COMPOSER: BRAHMS, JOHANNES, 1833-1897.	SONATA VLC & PF #1 OP38 E MN	DISC 33 RPM STEREO	
S73-46	BARENBOIM: DUPRE, J COMPOSER: BRAHMS, JOHANNES, 1833-1897.	SONATA VLC & PF #2 OP99 F	DISC 33 RPM STEREO	
XSD14	BARNETT, LES COMPOSER: CROSBY, FANNIE, 1820-1915.	LES BARNETT PLAYS HYMNS OF FANNY	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	AIR	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	ALLEGRO BARBARO 1911	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	BAGATELLE #2	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	BEAR DANCE	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	BURLESQUE #2 (A BIT TIPSY)	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	EVENING IN TRANSYLVANIA	DISC 33 RPM MONO	
[illegible]	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	EXCERPTS FROM MIKROKOSMOS	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	OLD DANCE TUNES #7, 8, 9, 10, 11	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	RONDO #1	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: BARTOK, BELA, 1881-1945.	ROUMANIAN DANCE #1	DISC 33 RPM MONO	
XSF36V1	BARTOK, BELA, 1881-1945. COMPOSER: SCARLATTI, DOMENICO, 1685-1757	SONATA L293	DISC 33 RPM MONO	

CALL NUMBER	AUTHOR	TITLE	MEDIUM	
		CLARINET & STRINGS	CONTINUED	
[illegible]	BRAHMS, JOHANNES, 1833-1897.	QUINTET OP115 B MN	DISC 33 RPM STEREO	
[illegible]	BRAHMS, JOHANNES, 1833-1897.	QUINTET OP115 B MN	DISC 33 RPM MONO	
[illegible]	BRAHMS, JOHANNES, 1833-1897.	QUINTET, CLAR & STR OP115 B MN	DISC 33 RPM STEREO	
[illegible]	MOZART, JOHANN CHRYSOSTOM WOLFGANG AMADEUS, 1756-1791	QUINTET CL & STRINGS K581 A	DISC 33 RPM MONO	
[illegible]	MOZART, JOHANN CHRYSOSTOM WOLFGANG AMADEUS, 1756-1791	QUINTET CL & STRINGS K581 A	DISC 33 RPM MONO	
[illegible]	MOZART, JOHANN CHRYSOSTOM WOLFGANG AMADEUS, 1756-1791	QUINTET, A, K581	DISC 33 RPM STEREO	8
[illegible]	REGER, MAX, 1873-1916	QUINTET, CLAR & STR OP146 A, VIV		
		CLARINET, STRINGS, PIANO		
573-41	BRAHMS, JOHANNES, 1833-1897.	TRIO OP114 A MN	DISC 33 RPM STEREO	1
		COLLEGE & SCHOOL SONGS		
[illegible]	NO AUTHOR	CAMP SONG EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	CAMP SONG EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	CAMP SONG EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	CAMP SONG EASTERN ILLINOIS UNIV	DISC 33 RPM MONO	4
		CONCERTOS, CONCERTINOS		
[illegible]	NO AUTHOR	AROUND THE HORN	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	CONCERTO, VIOLIN #22 G97 A MN	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	CONCERTO, VIOLIN E MN	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	GUITAR CONCERTOS	DISC 33 RPM STEREO	
[illegible]	NO AUTHOR	HERMANN SCHERCHEN CONDUCTS CONCE	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	MUSIC FROM MARLBORO	DISC 33 RPM STEREO	
[illegible]	NO AUTHOR	POPS GOES THE TRUMPET	DISC 33 RPM MONO	
[illegible]	NO AUTHOR	TRUMPET CONCERTOS	DISC 33 RPM STEREO	
[illegible]	NO AUTHOR	WORLD'S GREATEST PIANO CONCERTOS	DISC 33 RPM STEREO	
[illegible]	NO AUTHOR	WARSAW CONCERTO	DISC 33 RPM MONO	
[illegible]	ADDINSELL, RICHARD, 1904-	CONCERTO OP78 #1 PIANO	DISC 33 RPM STEREO	
[illegible]	ALBENIZ, ISAAC MANUEL FRANCISCO, 1860-1909.	CONCERTI A CINQUE #1, B FL, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #12, D, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #2, D MN, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #3, F, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #3, F, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #4, A, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #5, C, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #6, G, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #7, D, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #8, G MN, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTI A CINQUE #9, C, OP9	DISC 33 RPM MONO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTO S ORCH C	DISC 33 RPM STEREO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTO S ORCH OP5#12 C	DISC 33 RPM STEREO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTO S ORCH OP5#8 E MN	DISC 33 RPM STEREO	
[illegible]	ALBINONI, TOMASO, 1671-1750	CONCERTO, A MN, OP5, #5		

CALL NUMBER	COMPOSER	TITLE	KEY NO
M335#6#1	MARENZIO, LUCA 1553-1599	MADRIGALS, 4 VOICES, BK1 SELECTI	009312
XM#2V12N10	MARENZIO, LUCA 1553-1599	STRIDER	006705
XM#2V7N9	MARIA, FRAY THOMAS DE SANCTA D 1570	CLAUSULA DE OCTAVO TONO	006867
M3423-1	MARKS, J	ROCK & OTHER FOUR LETTER WORDS	003873
M3425-1	MARKS, WALTER	BAJOUR	003874
321#2	MARSHALL, CHARLES, 1887-	I HEAR YOU CALLING ME	000399
M355#1	MARSHALL, CHARLES, 1887-	I HEAR YOU CALLING ME	003875
M363#3	MARTIN, FRANK, 1890-	BALLADE TROMBONE & ORCHESTRA; AR	008744
M363-1	MARTIN, FRANK, 1890-	CONCERTO	003876
183#2	MARTIN, FRANK, 1890-	CONCERTO FOR 7 WIND INSTRUMENTS	003467
M363#2	MARTIN, FRANK, 1890-	PETITE SYMPHONIE CONCERTANTE	003877
3778#17	MARTIN, FRANK, 1890-	PRELUDES, PIANO, SELECTIONS	010196
XS82	MARTIN, GEORGE	QUARTRE PIECES BREVES	009986
XM#10	MARTIN, HUGH, 1914-	YELLOW SUBMARINE SELECTIONS	007051
M364#2	MARTIN, HUGH, 1914-	HIGH SPIRITS	003879
M364#1	MARTINI, IL TEDESCO	LOOK MA, I'M DANCIN	003878
M3665#3C1-2	MARTINU, BOHUSLAV, 1890-1959	THREE MADRIGALS FOR VIOLIN & VIO	003885
P678#3	MARTINU, BOHUSLAV, 1890-1959	FANTASIES SYMPHONIQUES #6	004639
E274#8	MARTINU, BOHUSLAV, 1890-1959	QUARTET #1, 1942	002641
M3665#1	MARTINU, BOHUSLAV, 1890-1959	SINFONIETTA GIOCOSA FOR PIANO &	003881
M3665#2	MARTY, GEORGE EUGENE, 1860-1908, ARR.	SINFONIETTA LA JOLLA	003883
XSF41	MASCAGNI, PIETRO, 1863-1945.	PREMIERE FANTASIE	007858
M372#4	MASCAGNI, PIETRO, 1863-1945.	CAVALLERIA RUSTICANA	003891
M372#5	MASCAGNI, PIETRO, 1863-1945.	CAVALLERIA RUSTICANA	003893
M372-1	MASCAGNI, PIETRO, 1863-1945.	CAVALLERIA RUSTICANA	003886
M372-3	MASCAGNI, PIETRO, 1863-1945.	CAVALLERIA RUSTICANA	003887
M372#6	MASCAGNI, PIETRO, 1863-1945.	CAVALLERIA RUSTICANA	010837
M372#2	MASINI, GALLIANO	CAVALLERIA RUSTICANA, ITALIAN	003890
M378-1	MASSENET, JULES EMILE FREDERIC, 1842-1912	CAVALLERIA RUSTICANA-INTERMEZZO	003894
M384-2	MASSENET, JULES EMILE FREDERIC, 1842-1912	OPERA RECITAL	003897
M384-4	MASSENET, JULES EMILE FREDERIC, 1842-1912	ELEGIE	003899
XVC#163	MASSENET, JULES EMILE FREDERIC, 1842-1912	ELEGIE - MELODIE	010311
R196-13	MASSENET, JULES EMILE FREDERIC, 1842-1912	FABLIAU: QUI DANS LES BOIS ET DA	004929
XVC-20	MASSENET, JULES EMILE FREDERIC, 1842-1912	LE CID BALLET MUSIC ACT 2	007979
XVC160	MASSENET, JULES EMILE FREDERIC, 1842-1912	LE PORTRAIT DE MANON VIOLA TON I	009771
M384-1	MASSENET, JULES EMILE FREDERIC, 1842-1912	LETTER SCENE	003895
XVC#167	MASSENET, JULES EMILE FREDERIC, 1842-1912	MANON	002272
M384-3	MASSENET, JULES EMILE FREDERIC, 1842-1912	MANON ACT 3	003898
XVC#163	MASSENET, JULES EMILE FREDERIC, 1842-1912	MANON ACT 3 AH FUYEZ DOUCE IMAG	010310
C383-1	MASSENET, JULES EMILE FREDERIC, 1842-1912	MANON: JE MARCHE SUR TOUS LES CH	001824
M384#5	MASSENET, JULES EMILE FREDERIC, 1842-1912	THAIS--L'AMOUR EST UNE VERTU RAR	010885
XL#6C1-3	MATTHEWS, THOMAS	WERTHER	008377
XM#2V10N5	MATTIELLI, GIOVANNI ANTONIO	LORD IS MY SHEPHERD	006749
XVC#165V1	MATTHESON, JOHANN, 1681-1764	ADAGIO	010478
XO#11	MAVES, DAVID	TRIO, THREE RECORDERS # 8 OP 1	008934
M4513-1 C1	MAYBRICK, MICHAEL, 1844-1913	TOCCATA	003900
M4513-1 C2	MAYBRICK, MICHAEL, 1844-1913	HOLY CITY	003901
M454-1	MAYNOR, DOROTHY	HOLY CITY	003902
M454-2	MAYNOR, DOROTHY	NEGRO SPIRITUALS	003903
M243-2	MAYUZUMI, TOSHIRO, 1929- *	SACRED SONGS	003121
		SAMSARA	

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        WRITE FILE (LIST) FROM (TLINE); LINE=' ';                          00052
    SUBSTR(LINE,45)='MUSIC INFORMATION SERVICES SYSTEM (MISS)';            00053
        WRITE FILE (LIST) FROM (TLINE); LINE=' ';                          00054
        SUBSTR (LINE,54)='DESIGNED & PROGRAMMED';                          00055
        WRITE FILE (LIST) FROM (TLINE); LINE=' ';                          00056
        SUBSTR (LINE,63)='BY';                                             00057
        WRITE FILE (LIST) FROM (TLINE); LINE=' ';                          00058
        SUBSTR (LINE,41)='PALADUGU V RAO, SYSTEMS ENGINEER, BOOTH LIBRA00059
KY';    WRITE FILE (LIST) FROM (TLINE); LINE=' ';                          00060
        WRITE FILE (LIST) FROM (TLINE); CTL=' ';                           00061
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00062
ION SYSTEMS DEPARTMENT';                                                   00063
          DO J=1 TO 5; WRITE FILE(LIST)FROM(TLINE); END;                   00064
HEAD: CTL='1'; LCNT=0; PCNT=PCNT+1; PGCNT=PCNT; LINE=' ';                  00065
SUBSTR(LINE,9) ='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY--INFORMATION00066
SYSTEMS DEPARTMENT-MEDIA LIBRARY  TITLE  CATALOG';                         00067
    SUBSTR(LINE,120)='PAGE'||PGCNT; WRITE FILE (LIST) FROM (TLINE);        00068
CTL='0'; LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE=' ';          00069
        LINE='CALL NUMBER';                                                00070
        SUBSTR(LINE,15)='COMPOSER / PERFORMER';                            00071
        SUBSTR(LINE,60)='TITLE / PERFORMING GROUP';                        00072
        SUBSTR(LINE,103)='MEDIUM'; SUBSTR(LINE,128)='UNITS';               00073
      WRITE FILE (LIST) FROM (TLINE);                                      00074
    LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE= ' ';              00075
START:  READ FILE(MEDIA) INTO (MEDIA_REC); LINE=CN;  SW1='0'B;             00076
    IF AC=' ' THEN DO; SUBSTR(LINE,15)='NO COMPOSER'; GOTO L5; END;        0007
        READ FILE(NAMES) INTO (NREC) KEY (AC);                             00078
        SUBSTR(LINE,15)=NAME;                                              00079
L5: SUBSTR(LINE,68)=TI;  IF MC>=0 & MC<=N THEN DO;                         00080
        SUBSTR(LINE,103)=MTYPE(MC); GOTO L6; END;                          00081
        SUBSTR(LINE,103)='INVALID MC';                                     00082
L6: IF VO>1 THEN DO; SUBSTR(LINE,129)=VO; END;                             00083
        WRITE FILE (LIST) FROM (TLINE); TCNT=TCNT+1; LCNT=LCNT+2;          00084
        LINE=' ';  IF PC¬=' ' THEN DO;  SW1='1'B;                          00085
        READ FILE (NAMES) INTO (NREC) KEY (PC);                            00086
L7:     SUBSTR(LINE,15)='PERFORMER(S): '||NAME; END;                       00087
L8: IF PG¬=' ' THEN DO; GKEY='00'||PG;                                     00088
        READ FILE(GROUP) INTO (GREC) KEY(GKEY);                            00089
                    SUBSTR(LINE,68)=GNAME;  END;                           00090
L10: IF LINE¬=' ' THEN DO;  CTL=' '; LCNT=LCNT+1;                          00091
        WRITE FILE (LIST) FROM (TLINE);   CTL='0'; END;                    00092
            IF LCNT>49 THEN GOTO HEAD; ELSE GOTO START;                    00093
FINISH: CTL='-';          LINE=' '; PGCNT=TCNT;                            00094
    SUBSTR(LINE,25)='NO OF TITLES IN THE LIST: '||PGCNT;                   00095
    WRITE FILE(LIST) FROM(TLINE);  END MUSIC09;                            00096
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
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    LINE=' ';   SUBSTR (LINE,56)=' A PRODUCT OF';                          00052
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00053
     SUBSTR(LINE,45)='MUSIC INFORMATION SERVICES SYSTEM (MISS)';           00054
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00055
         SUBSTR (LINE,54)='DESIGNED & PROGRAMMED';                         00056
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00057
         SUBSTR (LINE,63)='BY';                                            00058
         WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00059
         SUBSTR (LINE,41)='PALADUGU V RAO, SYSTEMS ENGINEER, BOOTH LIBRA00060
RY';     WRITE FILE (LIST) FROM (TLINE); LINE=' ';                         00061
         WRITE FILE (LIST) FROM (TLINE); CTL=' ';                          00062
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00063
ION SYSTEMS DEPARTMENT';                                                   00064
           DO J=1 TO 5; WRITE FILE(LIST)FROM(TLINE); END;                  00065
HEAD: CTL='1'; LCNT=0; PCNT=PCNT+1; PGCNT=PCNT; LINE=' ';                  00066
SUBSTR(LINE,9) ='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY--INFORMATION00067
 SYSTEMS DEPARTMENT-MEDIA LIBRARY PERFORMER CATALOG';                      00068
    SUBSTR(LINE,120)='PAGE'||PGCNT; WRITE FILE (LIST) FROM (TLINE);        00069
CTL='0'; LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE=' ';          00070
         LINE='CALL NUMBER';                                               00071
         SUBSTR(LINE,15)='COMPOSER / PERFORMER';                           00072
         SUBSTR(LINE,68)='TITLE / PERFORMING GROUP';                       00073
         SUBSTR(LINE,103)='MEDIUM'; SUBSTR(LINE,128)='UNITS';              00074
       WRITE FILE (LIST) FROM (TLINE);                                     00075
    LINE=(132)'*'; WRITE FILE (LIST) FROM (TLINE); LINE= ' ';              00076
START: READ FILE(MEDIA)INTO(MEDIA_REC); LINE=CN; SW1='1'B;                 00077
  IF KEY1¬=PC THEN READ FILE(NAMES)INTO(NREC)KEY(PC);                      00078
         SUBSTR(LINE,15)=NAME;                                             00079
L5: SUBSTR(LINE,68)=TI;  IF MC>=0 & MC<=N THEN DO;                         00080
         SUBSTR(LINE,103)=MTYPE(MC); GOTO L6; END;                         00081
         SUBSTR(LINE,103)='INVALID MC';                                    00082
L6: IF VO>1 THEN DO; SUBSTR(LINE,129)=VO; END;                             00083
         WRITE FILE (LIST) FROM (TLINE); TCNT=TCNT+1; LCNT=LCNT+2;         00084
  LINE=' '; IF AC¬=' ' THEN DO; SW1='0'B;                                  00085
    IF KEY2¬=AC THEN READ FILE(NAMES)INTO(NREC2) KEY(AC);                  00086
L7: SUBSTR(LINE,15)='COMPOSER: '||NAME2;  END;                             00087
L8: IF PG¬=' ' THEN DO; GKEY='00'||PG;                                     00088
         READ FILE(GROUP) INTO (GREC) KEY(GKEY);                           00089
                     SUBSTR(LINE,68)=GNAME;  END;                          00090
L10: IF LINE¬=' ' THEN DO;  CTL=' '; LCNT=LCNT+1;                          00091
         WRITE FILE (LIST) FROM (TLINE);   CTL='0'; END;                   00092
             IF LCNT>49 THEN GOTO HEAD; ELSE GOTO START;                   00093
FINISH: CTL='-';          LINE=' '; PGCNT=TCNT;                            00094
    SUBSTR(LINE,25)='NO OF TITLES IN THE LIST: '||PGCNT;                   00095
    WRITE FILE(LIST)FROM(TLINE);  END MUSIC11;                             00096
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```

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EASTERN ILLINOIS UNIVERSITY                                    DATE 06/16/75

++WRITE PRINT,U0110611
       /* DATA SET U0110611   AT LEVEL 006 AS OF 10/18/74     */
MUSIC11: PROC OPTIONS(MAIN); /*PRINT MEDIA PERFORMER CATALOG*/                00001
/* PROGRAMMER: PALADUGU V RAO, SYSTEMS ENGINEER, EIU LIBRARY */               00002
      DCL MEDIA FILE RECORD ENV(F(880,36)),                                  00003
       CARDIN FILE RECORD ENV(F(80)),                                        00004
          NAMES FILE RECORD KEYED ENV (INDEXED),                             00005
          GROUP FILE RECORD KEYED ENV (INDEXED),                             00006
    LIST FILE RECORD OUTPUT ENV (F(133) CTLASA),                             00007
    1 TLINE, 2 CTL CHAR (1), 2 LINE CHAR (132),                              00008
    1 CRD, 2 NO  PIC '99', 2 MEDIUM CHAR (78),                               00009
  PGCNT PIC 'ZZZZ9', (LCNT,PCNT,TCNT) FIXED (5) INIT (0);                    00010
   DCL SW1 BIT(1) INIT('0'B);                                                00011
   DCL 1 NREC2, 2 NAME2  CHAR (64), 2 X2 CHAR (1), 2 KEY2 CHAR(8);           00012
   DCL 1 MEDIA_REC,                                                          00013
    2 CN CHAR (12),  /* CALL NUMBER */                                       00014
    2 MC PIC '99',  /* MEDIA CODE */                                         00015
    2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                                00016
    2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                               00017
    2 PC CHAR (8),  /* PERFORMER CODE */                                     00018
    2 TI CHAR (32),  /* TITLE */                                             00019
    2 VO PIC '99',  /* NO OF VOLUMES */                                      00020
    2 LC PIC '9',  /* LOCATION CODE */                                       00021
    2 FC PIC '9',  /* FORMAT CODE */                                         00022
    2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                           00023
    2  CC CHAR (3); /* COUNTRY CODE */                                       00024
    2 PG CHAR (4),  /* PERFORMING GROUP CODE */                              00025
    2 KN CHAR (6); /* KEY NUMBER */                                          00026
   DCL 1 GREC, 2 GNAME CHAR(60), 2 GKEY CHAR(6),                             00027
       1 NREC, 2  NAME CHAR(64), 2 X CHAR (1), 2 KEY1 CHAR (8);              00028
   DCL MTYPE(0:N) CHAR(50) CTL, N FIXED(2);          KEY1,KEY2=' ';          00029
   GET DATA (N); ALLOCATE MTYPE; MTYPE(*)=' ';                               00030
        ON KEY(NAMES) BEGIN;  IF SW1 THEN DO;   SW1='0'B;                    00031
          PUT SKIP LIST('INVALID PERFORMER CODE: '||PC||' IN REC# '||CN00032
N||'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#:'||KN); GOTO L5; END;              00033
          PUT SKIP LIST('INVALID COMP   CODE: '||AC,'IN REC#: '||CN);        00034
    PUT LIST('ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN);                 00035
   GOTO L8; END;                                                             00036
        ON KEY(GROUP) BEGIN;                                                 00037
          PUT SKIP LIST('INVALID GROUP CODE: '||GKEY||'IN REC#: '||CN,00038
'ONCODE='||ONCODE,'PAGE:'||PGCNT,'KEY#: '||KN); GOTO L10; END;             00039
        ON ENDFILE(MEDIA) GOTO FINISH;                                       00040
LOOP: READ FILE (CARDIN) INTO (CRD);        IF NO=99 THEN GOTO TPAGE;        00041
    IF NO>=0 & NO <=N THEN DO; MTYPE(NO)=MEDIUM; GOTO LOOP; END;             00042
    PUT SKIP LIST('INVALID MC: '||MC||MEDIUM); GOTO LOOP;                    00043
TPAGE:  CTL='1'; LINE=' ';  WRITE FILE (LIST) FROM (TLINE); CTL=' ';         00044
    SUBSTR(LINE,31)='EASTERN ILLINOIS UNIVERSITY-BOOTH LIBRARY-INFORMAT00045
ION SYSTEMS DEPARTMENT';                                                     00046
        DO J=1 TO 5; WRITE FILE (LIST) FROM (TLINE); END; LINE=' ';          00047
    CTL='-';  DO I=1 TO 4;   READ FILE (CARDIN) INTO (CRD);                  00048
        SUBSTR(LINE,30)=MEDIUM;                                              00049
              WRITE FILE (LIST) FROM  (TLINE);  END;                         00050
  LINE=(132)'*';  DO I=1 TO 4;  WRITE FILE (LIST) FROM (TLINE); END;         00051
```

EASTERN ILLINOIS UNIVERSITY DATE 06/16/75

```
++WRITE PRINT,U0110610
       /* DATA SET U0110610   AT LEVEL 003 AS OF 10/12/74    */
MUSIC10: PROC OPTIONS(MAIN); /*SELECT MEDIA PERFORMER RECORDS*/          00001
   DCL 1 MUSIC_REC,                                                     00002
    2 CN CHAR (12),  /* CALL NUMBER */                                  00003
    2 MC PIC '99',  /* MEDIA CODE */                                    00004
    2 ME PIC '9',  /* MAIN ENTRY INDICATOR */                           00005
    2 AC CHAR (8),  /* AUTHOR COMPOSER CODE */                          00006
    2 PC CHAR (8),  /* PERFORMER CODE */                                00007
    2 TI CHAR (32),  /* TITLE */                                        00008
    2 VO PIC '99',  /* NO OF VOLUMES */                                 00009
    2 LC PIC '9',  /* LOCATION CODE */                                  00010
    2 FC PIC '9',  /* FORMAT CODE */                                    00011
    2 (SC1,SC2,SC3) PIC '99',  /* SUBJECT CODES */                      00012
    2 CC CHAR (3), /* COUNTRY CODE */                                   00013
    2 PG CHAR (4),  /* PERFORMING GROUP CODE */                         00014
    2 KN CHAR (6); /* KEY NUMBER */                                     00015
   DCL MUSIC FILE RECORD ENV(INDEXED),                                  00016
    DISK FILE RECORD OUTPUT ENV(F(860,86)),                             00017
    (CNT1,CNT2) FIXED (5) INIT (0);  ON ENDFILE(MUSIC) GOTO EOJ;        00018
START: READ FILE (MUSIC) INTO (MUSIC_REC); CNT1=CNT1+1;                 00019
          IF PC=' ' THEN GOTO START;                                    00020
    WRITE FILE (DISK) FROM (MUSIC_REC); CNT2=CNT2+1; GOTO START;        00021
EOJ:    PUT SKIP(2) LIST('RECORDS IN: '||CNT1||' OUT: '||CNT2);         00022
   END  MUSIC10;                                                        00023
****** ABOVE ACTION SATISFACTORILY COMPLETED *****
```